ELECTRONIC HOT PLATE T-946 USER MANUAL

TAIAN PUHUI ELECTRIC TECHNOLOGY CO., LTD

CATALOGUE

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Product Features

1. Adopts MCU Main Processing Unit，with advanced PID intelligent temperature control heating technology and advanced temperature measurement technology, This technical innovation makes more accurate temperature control.

2. Unique temperature correction function, it bring improve the temperature measuring quality and measurement accuracy substantially.

3. Parameter automatic memory function, the transparency setting parameter preservation process, simplifies operation.

4. Equipped with timing mode and fault intelligent detection function, simple fault easily excluded, save time and efficient, to ensure the stability and reliability of use.

5. Equipped with timing mode and continuous mode in order to meet different user requirements.

6. Adopt imported high quality silicon controlled, with non-contact switch quick response、control precision、without the noise and low power consumption etc.

7. Select high-quality aluminum, using a integrated techniques combined with excellent machining process produced heating plate, has the coefficient of thermal conductivity, high temperature quickly, is heated evenly and heat deformation etc.

8. Bottom heating mode, especially suitable for LED industry aluminum base plate lamp bead welding repair, effectively avoid the traditional welding mode of high temperature on light bead damage, significantly extend the service life of bead light.

9. Temperature control range can be suit for any electronic industry. Such as lead and lead-free PCB board preheat, welding Repair, sealing compound, Adhesive Dispense constant temperature heating and industrial industries constant temperature heating, sample roasting drying and other temperature test.

10. Easy to operate，after simple training can fully grasp the method of operation.

Main parameter

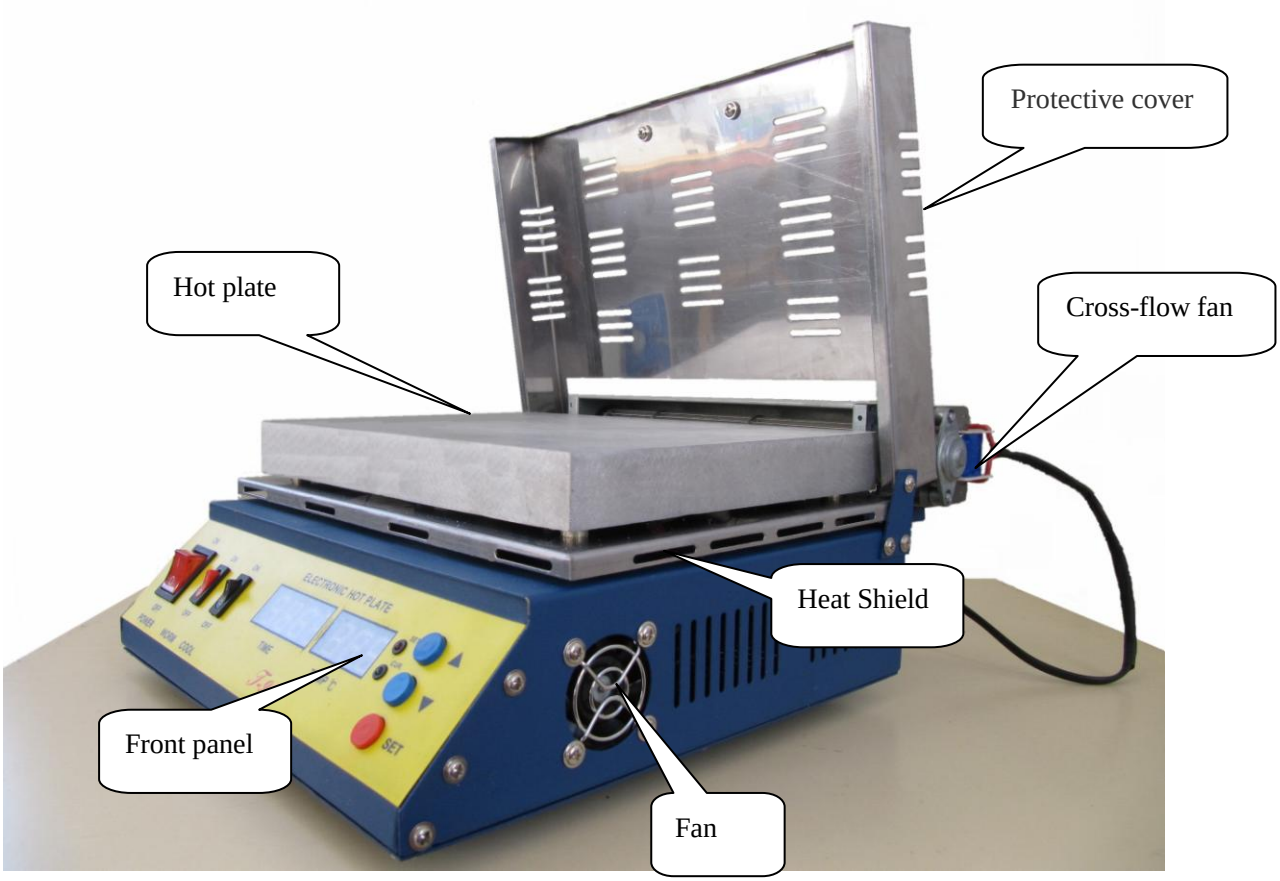
Working bench size	267mm×320mm
Rated voltage and frequency	AC220-230v/AC110V 60/ 50Hz
Complete machine power	800 W
Preheating chassis preheating size	180mm×240mm
Preheating chassis temperature range	0-450℃

Packing list

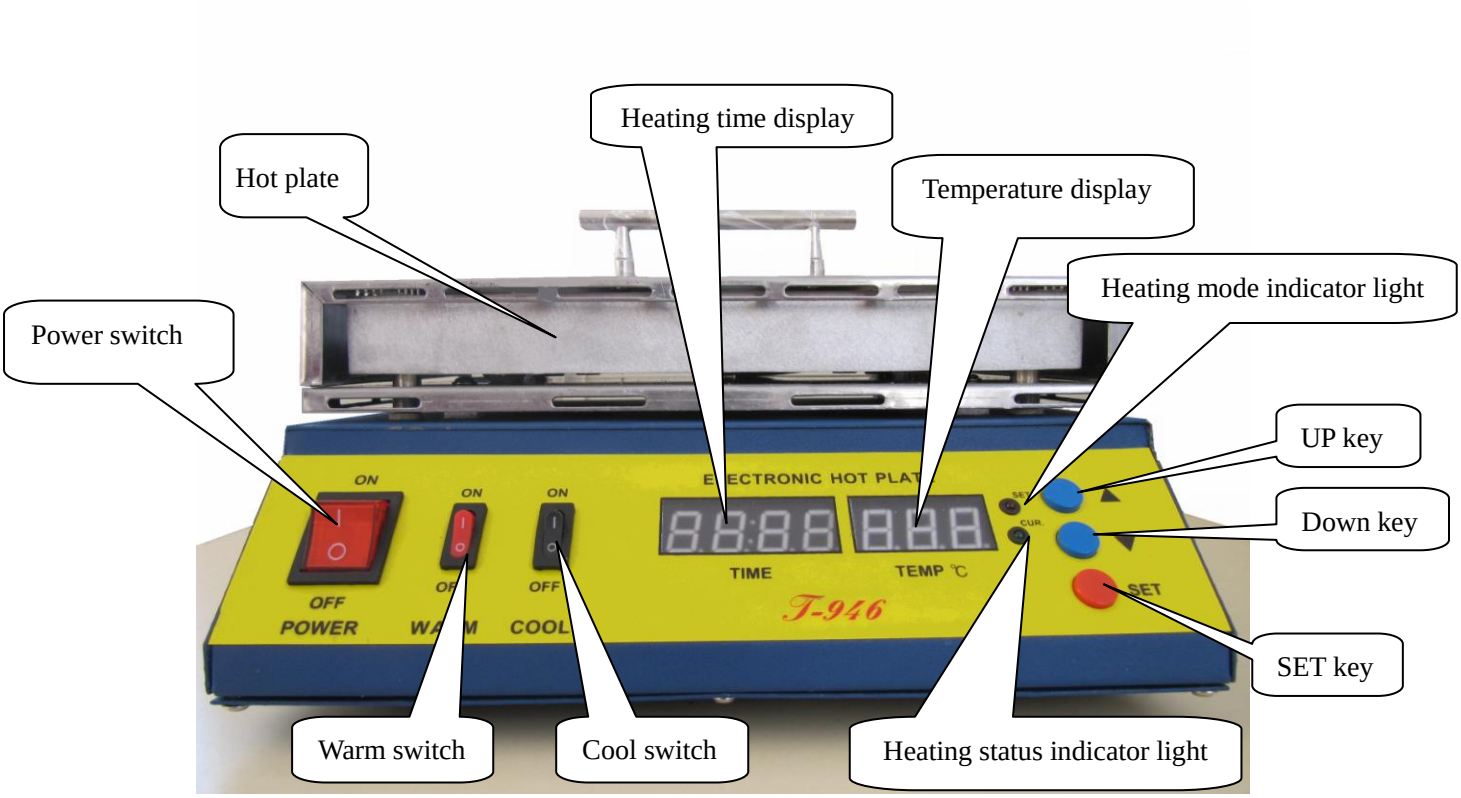
Name	Quantity
T-946 hot plate	1
Power line	1
Fuse	1
User manuals（compact disc）	1
Cross-flow fan	1

Main Parts

Plate main body

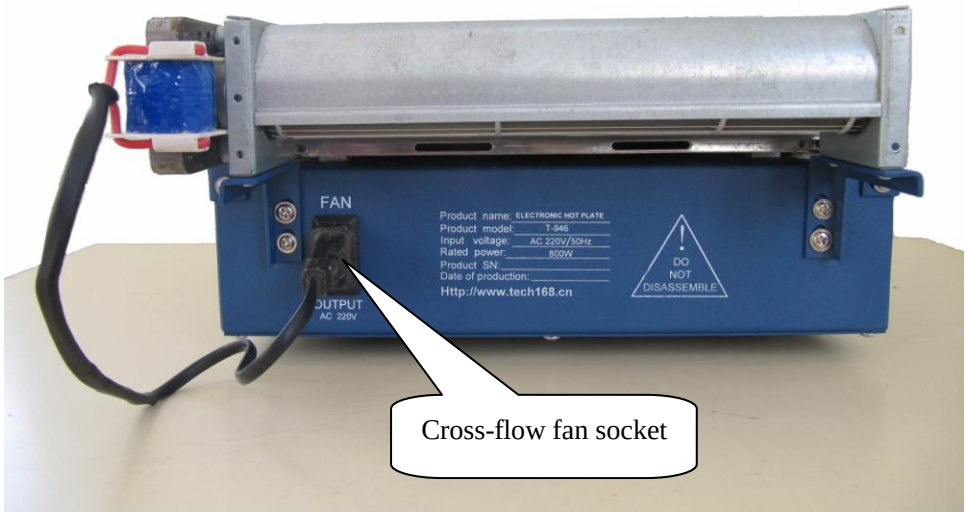


2. Front panel



3 .Side panel

4. Back panel



Instructions

This machine has two kinds of working mode: timer mode and continuous mode.

1) The timing mode: First set the heating time, it will stop heating when reach the setting time and give alarm. The continuous mode: The machine is in a constant heating status, it will stop heating when close the heating switch.

2) Two kinds of working mode setting and conversion. The green indicator light is the working mode status light. The green indicator light is bright

when open the machine, press SET key, the green indicator light turns off, press SET key three times, the green indicator light is bright. According to this mode cycle operate.

The mode selection method	
The green indicator light turn on, open the "WARM" switch	The machine is in the continuous mode
The green indicator light turn off, open the "WARM" switch	The machine is in the timer mode

Press "▲" and "▼" adjust the temperature.

You should preheat the machine to the stable temperature till you use it.

1. Elementary operation：

1) Check the power line.

2) Turn on the power line， press "SET", enter the parameters set interface.

3) Set heating time(This time is only effective in timer mode, if the machine is in persist mode, can press "SET" two times, skip the settings)

Press "▲"up， "▼"down, turn minutes to your own number(0-99 minutes)

Press"SET", set the seconds, turn seconds to your own number(0-59 seconds)

4) Set the heating plate working temperature

After time setting, press "SET" again; begin setting temperature, the clock

digital tube display“S”, as following:

Press “▲”up，“▼”down , turn temperature to your own number(0-450℃)

5) Set work mode, start heating

Timer mode: Press “SET” several times, until the green indicator light power off, open the preheating switch (WARM), start heating. The red indicator light turn on, nixie tube start timing.

Continuous mode: Press “SET” several times, until the green indicator light turn on, open the preheating switch (WARM), start heating. The red indicator light turn on, nixie tube start timing.

6) Stop heating

Heating finished, turn off the heating switch(WARM), the red indicator light power off, the heating plate stop heating(if the machine is in timer mode, until the time you set before, the machine will stop heating automatically and the nixie tube stop timing, a warning buzzer will sound.)

7) Cool down

Open cooling switch (COOL), cross-flow fan (optional) start working, until the temperature of heating plate drop to normal temperature, turn off the cooling switch (COOL).

8) Power off

Turn off the main power switch(POWER)，cramp out the power source plug.

2. SMD desoldering method

1) According to the size of the PCB board and welding process requirement, Set the machine work mode and heating plate output temperature.

2) Open heating switch(WARM), heating plate start working, display temperature rise, until display temperature reach set number, wait for a moment, make the heating plate panel temperature more uniform.

3) Put the PCB board on the heating plate, until the solder paste melt, take down the SMD with tweezers or vacuum pen.

4) Work finished, take down the PCB board from heating plate, turn off the heating switch (WARM) and the main power switch.

3. SMD soldering method

1)According to the size of the PCB board and welding process requirement, set the machine work mode and heating plate output temperature(Suggest setting in timing heating condition, according to the experience setting time duration, which can effectively prevent PCB overly heating).

2)Open heating switch(WARM), heating plate start working, display temperature rise, until display temperature reach set number, wait for a moment, make the heating plate panel temperature more uniform.

3) Put the PCB board on the heating plate.

4) Reach the time you set before, the heating plate stop heating, check solder paste is completely melted at this time, if melting is not complete, adjust the

timing time, and continue heating. Until solder paste completely melted, take down the PCB board from heating plate. Until solder paste cool and curdle, welding work finished.

5)Turn off and turn on the heating switch(WARM) one time, use the last set parameters acquiescently, go to the next piece of PCB board welding.

6) All the welding finished, turn off the heating switch(WARM) and the main power switch.

Caution

1. High temperature operation, pay attention to safety, bewares of burns.

2. Keep heating plate clean, clean with anhydrous alcohol regularly.

3. If there are some tin slag on heating plate, clean it in molten state (Don't use the blade or metal edge tool doctoring, in order to avoid the scratch heating plate).

4. If there are some flux on heating plate, turn off the main power s witch. In normal temperature condition, put some cleanser on heating plate, until residue dissolved; use soft cloth to wipe gently. Use soft cloth with anhydrous alcohol wipe the heating plate.

5. Long-time doesn't use, should cramp out the power source plug!

Warranty commitment

The complete machine maintains for one year and lifelong service. Long-term factory price supply. Provides the immediate network online Q/A and the technical advisory work service.

Statement

Between user operating manual and actual product different place, take actual product as !